

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): A device for sorting products, ~~which device comprises~~
comprising:

a plurality of supporting units adjacently arranged ~~supporting units which are movable~~
and configured to move in a direction of transport along a conveying path, each supporting
unit ~~being provided with~~ including a conveying element configured to move along a guide
extending according to said conveying path and at least one load carrying platform
comprising a supporting surface for supporting a product, a support member supporting the
supporting surface, ~~which load carrying platform is supported by a support member, and a~~
tilting mechanism configured to tilt the supporting surface ~~which can be tilted by tilting~~
~~means~~ about an axis of tilt parallel to the conveying path with respect to ~~[[a]]~~ the conveying
element ~~forming part of a supporting unit, which conveying element is movable along a guide~~
~~extending according to said conveying path,~~

wherein ~~characterized in that~~ the tilting ~~means comprise~~ mechanism comprises a drive
device and at least one cam ~~which can~~ configured to be rotated by drive means the drive
device about an axis of rotation extending parallel to the axis of tilt when the cam moves over
a camway so as to cause the support member to tilt about the axis of tilt between a neutral
position and an extreme position, and the drive device is positioned apart ~~spaced~~ from said
cam ~~by some distance, during which rotation the cam moves over a camway so as to cause~~
~~the support member to tilt about the axis of tilt, between a neutral position and an extreme~~
~~position, through rotation of the cam about the axis of rotation.~~

Claim 2 (currently amended): A sorting device according to claim 1, ~~characterized in~~
~~that~~ wherein said support member comprises said camway ~~forms part of said support,~~
~~member.~~

Claim 3 (currently amended): A sorting device according to claim 1 or 2,
~~characterized in that~~ wherein said camway extends at least substantially in radial direction
with respect to the axis of tilt.

Claim 4 (currently amended): A sorting device according to claim 1, ~~2 or 3,~~
~~characterized in that~~ wherein the connecting lines between the axis of rotation and the cam on
the one hand and between the axis of tilt and the cam on the other hand include an angle
ranging between 60 degrees and 120 degrees, ~~more preferably between 80 degrees and 100~~
~~degrees,~~ with each other in the neutral position.

Claim 5 (currently amended): A sorting device according to ~~any one of the preceding~~
~~claims, characterized in that~~ claim 1, wherein the connecting lines between the axis of
rotation and the cam on the one hand and between the axis of tilt and the cam on the other
hand include an angle ranging between 60 degrees and 120 degrees, ~~more preferably between~~
~~80 degrees and 100 degrees,~~ in ~~[[an]]~~ the extreme position.

Claim 6 (currently amended): A sorting device according to ~~any one of the preceding~~
~~claims, characterized in that~~ claim 1, wherein the tilting ~~means are arranged for causing~~
mechanism is configured to cause the support member to tilt between the neutral position and
the extreme position through rotation through 180 degrees or more of the cam about the axis
of rotation.

Claim 7 (currently amended): A sorting device according to ~~any one of the preceding~~
~~claims, characterized in that~~ claim 1, wherein the angle of tilt of the support member between
the neutral position and the extreme position ranges between 30 degrees and 60 degrees.

Claim 8 (currently amended): A sorting device according to ~~any one of the preceding~~
~~claims, characterized in that~~ claim 1, wherein the tilting ~~means comprise~~ mechanism
comprises two cams which are jointly rotatable about the axis of rotation, during ~~which~~
rotation on one side of the neutral position, one of the cams moves over one of the two

caraways, and during ~~which~~ rotation on the other side of the neutral position, the other one of said cams moves over the other one of the two caraways.

Claim 9 (currently amended): A sorting device according to claim 8, ~~characterized in that~~ wherein the two caraways define a V-shape ~~between themselves~~.

Claim 10 (currently amended): A sorting device according to claim 9, ~~characterized in that~~ wherein said V-shape comprises an angle ranging between 30 and 60 degrees.

Claim 11 (currently amended): A sorting device according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein said drive ~~means comprise~~ device comprises an electric motor for each supporting surface.

Claim 12 (currently amended): A sorting device according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein the load carrying platforms of adjacent supporting units abut against each other, each supporting surface ~~being made up of the~~ comprising upper sides of a supporting element and of a bridging element which overlaps the supporting element at a first end thereof and which is movable in a direction parallel to the supporting surface with respect to the supporting element so as to retain ~~[[the]]~~ mutual abutment of ~~[[the]]~~ adjacent load carrying platforms upon passage through a curved section.

Claim 13 (currently amended): A sorting device according to claim 12, ~~characterized in that~~ wherein the bridging element is movable in two degrees of freedom with respect to the supporting element.

Claim 14 (currently amended): A sorting device according to claim 12, further comprising ~~or 13, characterized in that~~ spring means ~~are provided~~ for causing the adjacent load carrying platforms to abut against each other.

Claim 15 (currently amended): A sorting device according to claim 14, ~~characterized in that~~ wherein said spring means are operative between a pivot pin, which is operatively connected to ~~either~~ one of the supporting element and the bridging element on the one hand

and to the other one of said supporting element and said bridging element on the other hand, or at least a part of the supporting unit that is connected thereto.

Claim 16 (currently amended): A sorting device according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein said supporting surface is provided with supporting edges extending perpendicularly to the axis of tilt.

Claim 17 (currently amended): A sorting device according to claim 16, ~~characterized in that~~ wherein the height of said supporting edges decreases from a point halfway ~~their~~ a length of said supporting edges towards the ends thereof.

Claim 18 (currently amended): A sorting device according to claim 17, ~~characterized in that~~ wherein the height of the supporting edges equals zero at the ends thereof.

Claim 19 (currently amended): A sorting device according to claim 16, wherein ~~any one of the claims 16-18, characterized in that~~ the height of the supporting edges is at least 6 mm, more preferably at least 8 mm, at least at a position halfway the length of said supporting edges.

Claim 20 (currently amended): A sorting device according to ~~any one of the claims 16-19, characterized in that~~ claim 16, wherein the radius of the upper sides of the supporting edges is maximally 8 mm, ~~more preferably maximally 6 mm,~~ at least at a position halfway the length of said supporting edges.

Claim 21 (currently amended): A sorting device according to ~~any one of the claims 16-20, characterized in that~~ the claim 16, wherein spacing between two adjacent supporting edges is more than 10 mm and less than 80 mm.

Claim 22 (currently amended): A sorting device according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein the length of each supporting surface, seen in the direction of transport, ranges between 500 mm and 700 mm.

Claim 23 (currently amended): A sorting device according to ~~any one of the claims 1-21, characterized in that~~ claim 1, wherein the length of each supporting surface, seen in the direction of transport, ranges between 300 mm and 500 mm.

Claim 24 (currently amended): A sorting device according to ~~any one of the preceding claims, characterized in that the sorting device comprises~~ claim 1, further comprising a plurality of control means which are arranged for simultaneous activation of device configured to simultaneously activate the tilting ~~[[means]]~~ mechanism associated with at least two adjacent supporting units during joint support of the product by the respective supporting surfaces associated with the support units ~~in question~~.

Claim 25 (currently amended): A method for sorting products, characterized by using a device according to ~~any one of the preceding claims~~ claim 1.

Claim 26 (new): A sorting device according to claim 1, wherein the connecting lines between the axis of rotation and the cam on the one hand and between the axis of tilt and the cam on the other hand include an angle ranging between 80 degrees and 100 degrees with each other in the neutral position.

Claim 27 (new): A sorting device according to claim 1, wherein the connecting lines between the axis of rotation and the cam on the one hand and between the axis of tilt and the cam on the other hand include an angle ranging between 80 degrees and 100 degrees in the extreme position.

Claim 28 (new): A sorting device according to claim 16, wherein the radius of the upper sides of the supporting edges is maximally 6 mm at least at a position halfway the length of said supporting edges.